

The academic year 2024-25 of the department started with the commencement of classes for the III and V semester of the BSc programme, on 4th June 2024. First semester classes started from 1st July 2024.

This annual report will provide an overview of the department's activities during the past year, including academic achievements, research accomplishments, and outreach efforts. This year we organized several programmes, including seminars, invited talks, exhibitions etc. We invited scholars from other institutions to share their research and exchange ideas with our faculty and students. The department also engaged with the local community through various outreach efforts.

I. MISSION AND VISION

To develop department as centre of excellence in all aspects of education.

To promote and inspire the fundamentals of chemistry through our UG Course.

II. STUDENT STRENGTH

Year	Class	G	B	General		OBC		Hindu		Muslim		Christian		SC	ST	Total
				G	B	G	B	G	B	G	B	G	B			
2024 2025	D3	16	5			14	4	2		13	4		1		1	21
	D2	16	5	2		14	5		2	16	3	2				21
	D1	9	1		1	9			1	9						10
	Total Strength															52

III. UNIVERSITY EXAMINATION RESULTS

Programme	No of students attended the examination	No of students passed	Pass %
BSc Chemistry	21	6	21.5%

IV. FACULTY DETAILS

Sl. No	Name	Designation	Highest Qualification	Date of joining/relieving
1.	Dr. Thomas Thevara	HOD	PhD	June 2019
2.	Sonima V	Assistant Professor	MSc	June 2018
3.	Shahina P H	Assistant Professor	MSc	January 2020

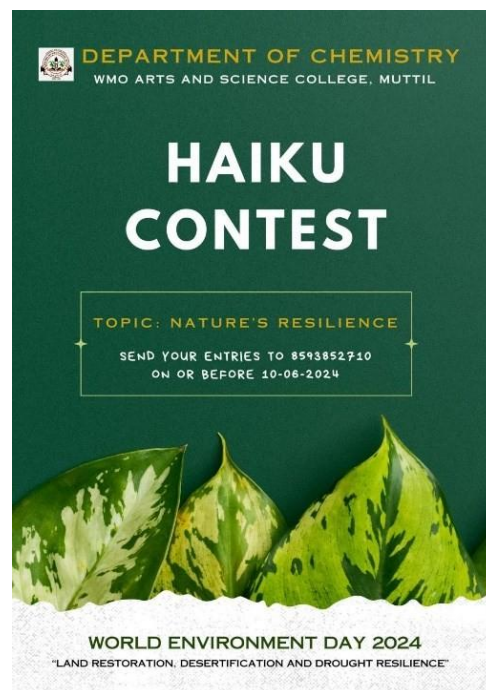
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4.	Fathima Shadin P	Assistant Professor	MSc	November 2021
5.	Binsha Basheer	Lab Assistant	BSc	February 2022

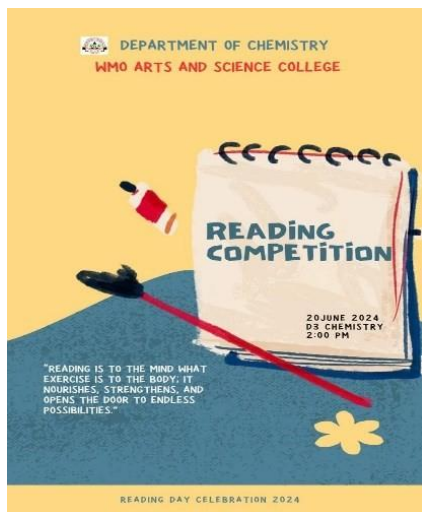
V DEPARTMENTAL ACTIVITIES

1. WORLD ENVIRONMENT DAY-HAIKU CONTEST

The Department of Chemistry organized a Haiku contest in connection with World Environment Day. The contest was held on June 10, 2024, with the theme “**Nature’s Resilience**,” encouraging students to reflect on the enduring strength and adaptability of nature through creative, concise poetry. The event aimed to raise environmental awareness among students, prompting them to think deeply about nature’s role in sustaining life and the importance of its preservation. Ms. Fathima Shadin, the event coordinator, ensured smooth execution and enthusiastic participation. The contest provided a platform for students to engage with environmental issues creatively, enhancing their understanding of sustainability and the need for conservation.



2 NATIONAL READING DAY- READING COMPETITION

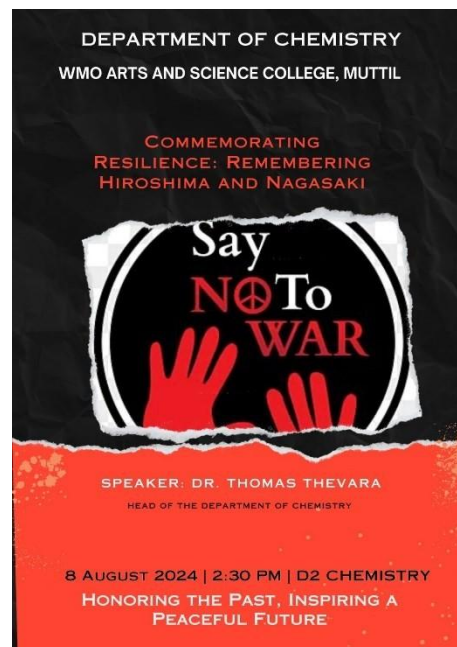


The Department of Chemistry organized a reading competition for D2 Chemistry students as part of the National Reading Day celebration on June 20, 2024. The event aimed to promote the habit of reading and its importance in intellectual and personal growth. Coordinated by Ms. Shahina PH, the competition saw active participation from students. Mr. Ranoop, faculty of the Department of Maths served as the judge, evaluating the participants’ reading and comprehension skills.

The winners of the event were Shaham O, Aneena, and Fathima Lamiya, who were recognized for their outstanding performances. The competition successfully inspired students to embrace reading as a lifelong learning tool.

3HIROSHIMA -NAGASAKI COMMEMORATION

The Department of Chemistry held a Hiroshima-Nagasaki Commemoration on August 8, 2024, reflecting on the profound impact of the tragic events and the enduring spirit of resilience. Dr. Thomas Thevara, Head of the Department of Chemistry, delivered an insightful talk titled “Commemorating Resilience: Remembering Hiroshima and Nagasaki.” His talk highlighted the lessons learned from history, focusing on the strength of human endurance in the face of adversity. The event emphasized the importance of remembering these historical events to promote peace and unity. Students and faculty attended the program, gaining a deeper understanding of the need for resilience and global harmony.



4 GREEN ROOTS: PLANTING FOR A SUSTAINABLE FUTURE

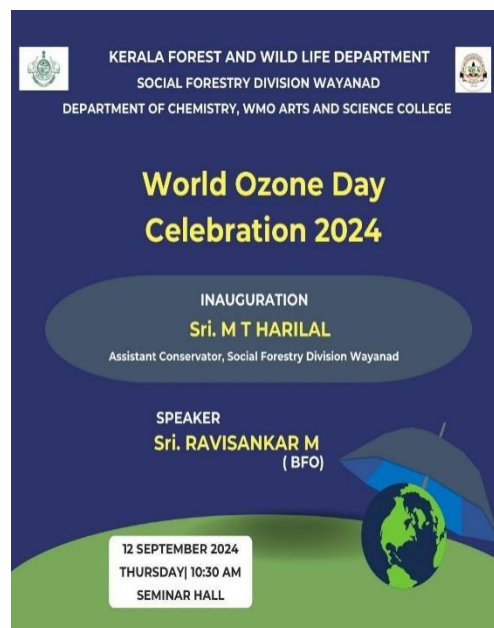


On August 14, 2024, the Department of Chemistry organized a special tree-planting program during the parents' meeting of D1 Chemistry students. As part of the initiative, parents planted Ashoka trees across the campus, symbolizing a commitment to environmental sustainability. Dr. Thomas Thevara, Head of the Department of Chemistry, led the session and highlighted the cultural and ecological significance of the Ashoka tree. He emphasized its importance in fostering a greener, more sustainable

future. The event successfully engaged both parents and students in contributing to the preservation of the environment, leaving a lasting green legacy on campus.

5. WORLD OZONE DAY SEMINAR

On 12th September 2024, a seminar was jointly organized by the Kerala Forest and Wildlife Department, Social Forestry Division Wayanad, and the Department of Chemistry, WMO Arts and Science College, as part of World Ozone Day celebrations. The seminar aimed to raise awareness about the importance of protecting the ozone layer and highlight global efforts in reducing ozone depletion. The event was inaugurated by Sri. M. T. Harilal, Assistant Conservator of Social Forestry Division, Wayanad. In his inaugural address, Sri. Harilal underscored the role of forests and sustainable environmental practices in mitigating ozone depletion and combating climate change.



He also highlighted the importance of community participation in environmental conservation and shared insights on the Social Forestry Division's efforts in Wayanad. In addition to the informative talks, a tree planting initiative was launched as part of the program to symbolize the commitment towards environmental protection. Faculty members, students, and officials from the Social Forestry Division participated in this initiative, planting saplings around the college campus. This initiative reinforced the message of fostering a greener environment and contributing to the preservation of natural resources. The seminar featured expert talks from academics and environmentalists, focusing on the science

behind ozone depletion, its impact on climate, and the effectiveness of the Montreal Protocol in reducing ozone-depleting substances. Students and faculty members engaged in discussions and interactive sessions, presenting papers and posters related to ozone



layer conservation and sustainable environmental practices. The participants left with a stronger understanding of the importance of safeguarding the ozone layer and actively engaging in sustainable environmental practices. The tree planting initiative further underscored the program's commitment to tangible actions in environmental conservation.



6. TREE PLANTING INITIATIVE



As part of the Ozone Day celebrations, the Department of Chemistry initiated a tree planting drive to promote environmental awareness and sustainability. The inauguration of the tree planting took place at 10:15 AM in front of the English Department. Participants, including students, faculty, and Members of Social Forestry Division Wayanad, gathered to plant trees, recognizing their crucial role in reducing ozone depletion by absorbing harmful pollutants and improving air quality.

The event aimed to foster a sense of community responsibility towards the environment. Through this initiative, the Department of Chemistry successfully highlighted the importance of trees in combating climate change and enhancing the health of our planet. The tree planting drive inspired attendees to take further action in protecting our environment.

The tree planting initiative underscored the critical role that trees play in enhancing the health of our planet, particularly in relation to ozone layer protection. By sequestering carbon dioxide and absorbing other harmful pollutants, trees help mitigate the effects of climate change and reduce the risk of ozone depletion. Furthermore, the event aimed to raise awareness about the importance of preserving the ozone layer, which protects life on Earth from harmful ultraviolet radiation.





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7. SESSION ON UNLEASHING YOUR POTENTIAL: STRATEGIES FOR WINNING COMPETITIVE EXAMINATIONS.

Department of Chemistry, Mathematics and Quiz club jointly organised a talk on “Unleashing your potential - Strategies for winning competitive examinations on 16.10.2024. The program commenced with the welcome speech by Shahina P.H. Dr. Thomas Thevara presided over the function. **Akhila C Udayan KAS** (Assistant Director, District Industries centre, Wayanad) inaugurated the function by emphasising importance of competitive examinations in shaping career. She delivered comprehensive session on understanding exam pattern, time management, study plan, mock test and stress management. Ms. Shahina P. H was the event coordinator. Chief guest planted a tree in our campus to foster responsibility of community to the environment.



8. ASSOCIATION INAUGURATION



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The Chemistry Association was inaugurated on 22.11.2024. The program commenced with the talk of **Ms. Nida Nahan** (PhD Scholar, IISER Thiruvananthapuram). The Chemistry Association's inauguration successfully laid the groundwork for future collaborations and advancements in the field. The event fostered a spirit of unity and enthusiasm among attendees, setting a positive tone for the association's future endeavors. The inauguration was a significant step in creating a strong chemistry community. Plans for future events include: Workshops on laboratory techniques, Seminars on current trends in chemistry, Community outreach programs to promote science education.

9. WORLD SOIL DAY CELEBRATION

The Chemistry Department, in collaboration with Bhoomithrasena, successfully celebrated World Soil Day on December 5th, raising awareness about the importance of healthy soil. The event featured a talk from Dr. Thomas Thevara (Head of the Chemistry Department) on soil health and sustainable land management practices. This event not only strengthened community ties but also emphasized the critical role of soil conservation in sustainable development. The celebration proved to be a valuable platform for fostering dialogue and practical knowledge among attendees.



10. NEWYEAR CELEBRATION

The New Year celebration, held on 01.01.2025, successfully combined festivities with a meaningful tree planting activity, emphasizing environmental responsibility as we welcomed the new year. Dr. Hemalatha C.P. planted *Garcinia intermedia* in our campus.



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Students participated in planting tree in the college campus, fostering teamwork and raising awareness about the crucial role of trees in combating climate change. Overall, the celebration not only enhanced the local ecosystem but also strengthened community bonds and commitment to sustainability, setting a positive tone for the year ahead.



11. ORMA MARAM -1

On 23.01.2025, the Chemistry Department organized the "**Orma Maram**" event to honor **Mr.Subair T**, the retiring Junior Superintendent of WMO Arts and Science college, Muttill, who dedicated 30 years of exemplary service to the institution. The celebration featured planting of a tree that symbolizes his lasting impact on the college community. Heartfelt tributes from colleagues, faculty, and students shared memorable experiences and expressed gratitude for his guidance and support. The event concluded with reflections on his impactful journey and well wishes for his retirement, leaving attendees with a deep appreciation for his legacy and contributions to the college. Mr. Subair planted abiu tree (*Pouteria caimito*) a symbol of growth, wisdom and his unwavering commitment to our institution.



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12. ORMA MARAM -2

On 03.02.2025, the Department of Chemistry celebrated World Wetlands Day by organizing the "Orma Maram 2" program to honor the remarkable service and contributions of Dr. Biju K. G and Abhin Kumar K.R. The event began with a welcome address emphasizing the importance of wetlands and the significance of recognizing impactful educators. **Dr. Biju K. G** and **Abhin Kumar K. R** planted an allspice tree and a *Filicium decipiens* on campus. These trees symbolize love, appreciation, and respect for their legacy. The event successfully honored their contributions while raising awareness about environmental conservation, leaving a lasting impact on the college community.



13. STUDENT PRESENTATION COMPETITION

On February 7, 2025, the Department of Chemistry, in collaboration with Bhoomithrasena, jointly organized a student presentation competition titled "Wetlands for Our Common Future." The event saw enthusiastic participation from students who showcased their knowledge and passion for wetland ecosystems. Each participant delivered insightful



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presentations covering a range of topics, including the biodiversity found within wetlands, their importance for climate resilience, and the vital role these ecosystems play in water purification. The competition not only fostered a deeper understanding of wetland conservation among students but also encouraged them to engage with pressing environmental issues. Overall, the event was a resounding success, highlighting the critical importance of wetlands for our common future and inspiring students to advocate for their preservation. Ms.Shahina P.H was the coordinator . Hanana K.M of D3 Chemistry bagged first prize. Anagha M.P and Ayisha Naja received 2nd and 3rd prizes respectively.



14. FORESTFIRE AWARENESS SEMINAR AND ADVENTURE TREKKING

On February 20, 2025, the Kerala Forest Department's Social Forestry Division in Wayanad, in collaboration with the Department of Chemistry, organized a Nature Camp, Forest Fire Awareness Seminar, and Adventure Trekking at Chembra Peak. This initiative aimed to promote environmental awareness and foster interest in adventure tourism among participants. The day commenced with informative sessions on the importance of forest conservation and the prevention of forest fires, highlighting the critical role of ecosystems in maintaining biodiversity. Session was inaugurated by Meppadi panchath president Omana Ramesh. Mr.Salim Pichan of M S Swaminathan Research Foundation talked about diversity at Chembra peak. Following the seminar, participants engaged in an exhilarating trek to Chembra Peak, where they experienced the breathtaking natural beauty of the region firsthand. The event successfully raised awareness about nature conservation, equipped attendees with knowledge on forest management, and encouraged active participation in



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outdoor activities, thereby reinforcing the significance of sustainable tourism in preserving Kerala's rich ecological heritage. Ms. Shahina P. H was the coordinator of the program.



15. FAREWELL PARTY

On February 27, 2025, a heartfelt farewell party was organized by the junior students for their final- year classmates in the D2 Chemistry Classroom. The event kicked off with warm welcome speeches that set a positive tone for the evening. Cultural performances showcased the diverse talents of the students, while fun games added an element of excitement and camaraderie. Seniors took the opportunity to share their experiences, reflecting on their journey and the memories created during their time at the institution. Dr. Thomas Thevara, the Head of the Department, delivered an inspiring speech that motivated the students to embrace their future endeavors with confidence. The evening culminated in group photos and a lively dance session, creating an atmosphere filled with joy, gratitude, and emotional goodbyes. It was a memorable occasion, celebrating both the achievements of the graduating students and the bonds formed throughout their academic journey. 40 students enjoyed the program.



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16. NATIONAL SCIENCE DAY CELEBRATION

On February 28, 2025, the Department of Chemistry celebrated National Science Day with a special session titled "**The Cosmic History of Human Life**" held at D3 Chemistry. The event aimed to explore humanity's profound connection with the cosmos. Dr. Biju K. G, Associate Professor in the Department of Physics, delivered an engaging lecture covering topics such as the Big Bang Theory, the formation of elements, the early life on Earth, human evolution, and the intricacies of space exploration. The interactive session sparked lively discussions among students about black holes and the possibility of extraterrestrial life, fostering an environment of scientific inquiry and curiosity. This event not only enriched students' understanding of cosmic events but also emphasized their significance in shaping the course of human existence, leaving participants inspired and eager to learn more about the universe. 44 students participated in the program. Ms. Shahina P.H was the coordinator of the program.



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17. INTERNATIONAL DAY OF FORESTS AND DISTRICT LEVEL INAUGURATION

On March 21, 2025, the Social Forestry Division of Wayanad, in collaboration with Bhoomithrasena, NCC, and the Department of Chemistry, celebrated International Day of Forests with an inaugural event led by District Collector **Meghasree D.R IAS**. The event focused on the critical themes of afforestation, biodiversity conservation, and sustainable forest management, highlighting the importance of protecting and nurturing forest ecosystems. Program commenced with the welcome speech of **M. T Harilal** (Assistant conservator of forests, Social forestry division, Wayanad). Muttill Grama Panchayath President Smt. **Sreedevi Babu** preside over the program. During the ceremony, the Collector recognized and distributed awards for outstanding contributions to forest conservation efforts, honouring those who demonstrated exemplary commitment to environmental stewardship. **Varun Daliya IFS, Sooraj Ben IFS, Martin Lovel IFS, Ajith K Raman, Dr. Viji Paul** addressed their felicitations for the program. Program finished with the vote of thanks by the Range forest officer P. Sunil. The event concluded with a collective pledge by participants to safeguard forests and promote greenery in their communities, reinforcing a shared responsibility for the preservation of nature and the vital role it plays in sustaining life on Earth.



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18. IFTHAR PARTY

On 21.03.2025, the Department of Chemistry organized iftar party that brought together faculty members, students, and staff for an evening of connection and celebration. The event commenced with a warm welcome and an introduction highlighting the significance of Ramadan and the spirit of community. A diverse spread of traditional and contemporary dishes was served, allowing attendees to break their fast together. Engaging conversations and laughter filled the air, fostering a sense of unity and belonging. The program concluded with a collective dua, emphasizing gratitude and reflection. Overall, the Iftar party not only celebrated the spirit of Ramadan but also strengthened the bonds within the department.



19. WORLD METEOROLOGICAL DAY CELEBRATIONS

On March 24, 2025, the Department of Chemistry celebrated Meteorological Day with an engaging and informative program aimed at raising awareness about the importance of weather and climate in our daily lives. The event featured a session by **Dr. Thomas Thevara** who discussed various topics, including climate change, weather forecasting techniques, and



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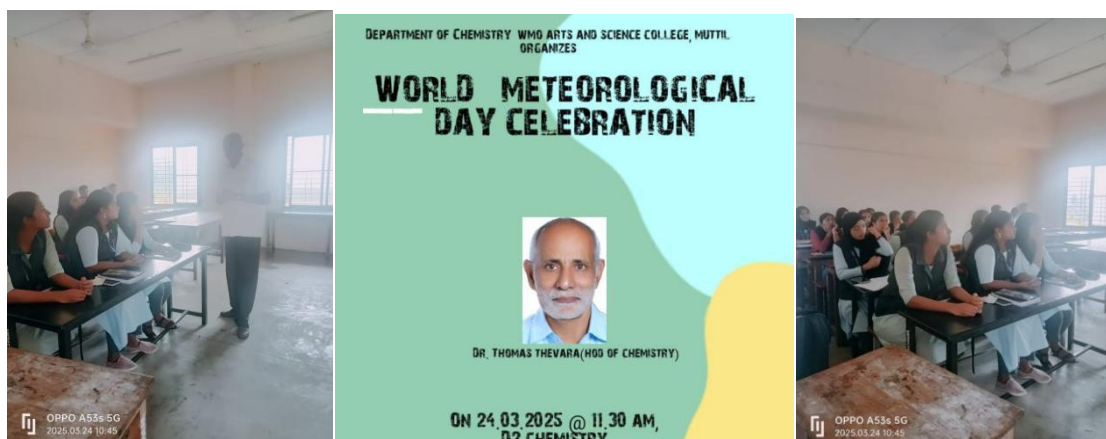
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the impact of meteorological phenomena on agriculture and disaster management. Interactive sessions allowed participants to engage in discussions about recent advancements in meteorological technology and its applications. Students and faculty members participated enthusiastically, sharing their insights and asking questions that fostered a deeper understanding of meteorological concepts. To conclude the celebration, a pledge was taken by all attendees to promote climate awareness and to actively contribute to sustainability efforts in their communities. Overall, Meteorological Day served as a vital platform for education and collaboration, emphasizing the significance of meteorology in addressing global challenges related to climate and weather. 17 students participated in the program.



VI STUDENT PRESENTATIONS

On February 7, 2025, the Department of Chemistry, in collaboration with Bhoomithrasena, jointly organized a student presentation competition titled "Wetlands for Our Common Future." The event saw enthusiastic participation from students who showcased their knowledge and passion for wetland ecosystems. Each participant delivered insightful presentations covering a range of topics, including the biodiversity found within wetlands, their importance for climate resilience, and the vital role these ecosystems play in water purification. The competition not only fostered a deeper understanding of wetland conservation among students but also encouraged them to engage with pressing environmental issues. Overall, the event was a resounding success, highlighting the critical importance of wetlands for our common future.



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and inspiring students to advocate for their preservation. Ms. Shahina P.H was the coordinator . Hanana K.M of D3 Chemistry bagged first prize. Anagha M.P and Ayisha Naja received 2nd and 3rd prizes respectively.



VII INDUSTRIAL VISITS

D2 [BENCHMARK TEA AND CHOCOLATE FACTORY]

On November 29th, 2024, 17 second-year B.Sc. Chemistry students visited the Benchmark Tea and Chocolate factory in Ooty as part of their academic curriculum. During the visit, the students learned about the various processes involved in the production of tea and chocolate, from harvesting and processing to packaging and distribution. The students also had the opportunity to taste different varieties of tea and chocolate and interact with the factory workers, who provided them with valuable insights into the industry. Overall, the visit was a great learning experience for the students, allowing them to gain practical knowledge about the field of food chemistry and production.

D3 [CIPET PALAKKAD]

The D3 Chemistry students visited the Central Institute of Petrochemicals Engineering and Technology (CIPET), Palakkad, as part of their academic internship and project work. The visit aimed to provide practical exposure to the applications of chemistry in polymer science and engineering. During their time



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at CIPET, students were introduced to various polymer processing techniques such as injection moulding, extrusion, and blow moulding. They also explored the testing laboratories, where they observed methods for analysing the physical and chemical properties of polymer materials. The interaction with experts and exposure to modern instrumentation and research facilities significantly enhanced the students' understanding of real-world industrial practices. This visit not only supported their academic projects but also offered valuable insights into current developments and career opportunities in the field of polymer chemistry. Overall, the experience bridged the gap between classroom learning and industrial application, contributing meaningfully to their professional development.



VIII CERTIFICATE COURSE

The Department of Chemistry launched two certificate courses. **Fundamentals and Applications of Green Chemistry** was launched on





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September 30, 2024. This 30-hour program aims to provide participants with a comprehensive understanding of green chemistry principles and practices, emphasizing sustainable approaches in chemical research and industry. The course includes lectures, practical sessions, and case studies to equip students with the necessary skills to contribute to environmental sustainability through innovative chemical solutions. Ms. Fathima Shadin is Serving as the Course Coordinator.

AI in Chemistry- Emerging trends and future perspectives, the even semester certificate course was launched on 06.01.2025. This course introduced students to the basics of artificial intelligence and its applications in Chemistry. It familiarize students with simple AI tools and virtual labs for simulating chemical experiments and analyzing data. The course highlights practical uses of AI in chemical research and emphasizes ethical considerations. Ultimately, it prepares students for future advancements in AI and its impact on the field of Chemistry. Dr. Viji Paul distributed the certificates





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IX BRIDGE COURSE

The Department of Chemistry offers a bridge course titled "Introduction to General Chemistry" to provide students with a solid foundation in the fundamental concepts of chemistry. This course is designed for students who wish to refresh their knowledge before pursuing advanced chemistry courses. The bridge course serves as a stepping stone, ensuring that all students have a common understanding of key principles before embarking on more specialized topics.

Sl. No	Course Title	No. Of Students Attended	Course Coordinator
1.	Introduction to General Chemistry	9	Sonima V

X BEST PRACTICES

- Proper Mentoring System
- Remedial Coaching
- Career Counselling and Special Guidance
- Quality teaching and Research
- Ethical Practices

XI STUDENT PROJECT

NAME	REGISTER NUMBER	TOPIC	GUIDE
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ANAGHA M P	WMAWSCH001	Fabrication of flower bouquet handle using different polymers : A study on injection moulding and recycling techniques	Fathima Shadin P
SAHREEN	WMAWSCH003		
SNEHA	WMAWSCH004		
YASEEN MUHAMMED HAMAZ	WMAWSCH007		
DILNA M	WMAWSCH010	Manufacturing of Buckets : A study on injection moulding and recycling techniques	Fathima Shadin P
FATHIMA SAHADIYA	WMAWSCH011		
HAMNA K	WMAWSCH012		
HANANA K M	WMAWSCH013		
MUHAMMED NISAM	WMAWSCH005	Production of half stool: An analysis of plastic processing and recycling techniques	Shahina P H
VIPIN JOHN	WMAWSCH006		
SHAHANA FATHIMA	WMAWSCH019		
SHANIYA JEBIN	WMAWSCH020		
AMINA NESLA	WMAWSCH008	Production of half inner clock frame: An analysis of plastic processing and recycling techniques	Sonima V
ASHNA FATHIMA C M	WMAWSCH009		
MUHAMMED SHEJIN K P	WMAWSCH021		
RISVAN MUHAMMED	WMAWSCH022		
ANEENA K M	WMAWSCH023	Study on water quality analysis of different samples	Dr Thomas Thevara



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XII REMEDIAL COACHING

This program was designed to provide support and assistance to academically slow learners as well as an advance learner in order to enhance their academic performance and understanding of the subject matter. The primary objective of the Remedial Coaching program was to address the diverse learning needs of BSc Chemistry students and offer tailored guidance to both academically slow learners and advance learners. The program aimed to bridge knowledge gaps, reinforce foundational concepts, and provide additional challenges for students who were excelling in their studies. At the beginning of the program, a diagnostic assessment was conducted to identify the strengths and weaknesses of each participating student. This assessment helped in understanding the specific areas where students required remedial support or additional challenges.

XIII. SLOW AND ADVANCE LEARNERS PROGRAM

The Slow and Advanced Learners Program is a specialized educational initiative designed to cater to the diverse learning needs of students in order to maximize their academic potential. This program recognizes that students have varying learning abilities and aims to provide tailored support to both slow learners who require additional assistance and advanced learners who need more challenging educational experiences. The Slow Learners Program aims to bridge knowledge gaps, reinforce foundational concepts, and enhance the overall academic performance of students who face difficulties in keeping pace with the regular curriculum. Key features include:

- Remedial Instruction
- Supportive Learning Environment
- Progress Monitoring and feedback

The Advanced Learners Program caters to students who exhibit exceptional abilities and a strong grasp of the subject matter. This program provides advanced coursework, challenges,



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and opportunities to expand their knowledge beyond the regular curriculum. The key features of the program for advanced learners include:

- Enrichment Activities
- Accelerated Learning Opportunities
- Mentoring and Guidance
- Collaborative Learning



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XIV. MENTORING SYSTEM

Mentoring System implemented by the Department of Chemistry ensures a proper mentor-mentee relationship, where mentors guide and support a specific number of students, allowing for constant monitoring, counseling, and assistance in both academic and economic matters. The primary objective of the Mentoring System is to foster a supportive environment for students, where they can receive personalized guidance and support to enhance their overall academic performance and well-being. The system aims to establish strong mentor-mentee relationships and create a platform for addressing various challenges faced by students, be it academic or economic.

Sl. No	Name of the Mentor	No. Of Mentees
1	Dr. Thomas Thevara	12
2	Sonima V	13
3	Shahina P H	13
4	Fathima Shadin P	13



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XV. HYBRID MODE OF TEACHING

The Department of Chemistry has implemented a Hybrid Mode of Teaching, blending traditional classroom instruction with online learning platforms, to provide an innovative and flexible educational experience for students. This hybrid approach combines the advantages of face-to-face interaction with the convenience and accessibility of online resources, fostering a dynamic and engaging learning environment. The approach aims to enhance student engagement, promote active learning, and provide flexibility in accessing course materials and resources.

Sl. No	Faculty	Strategies and Techniques
1.	Dr. Thomas Thevara	PPT, Google Class room, PPT
2.	Shahina P H	Google meet,
3.	Fathima Shadin P	Google meet (live interactive sessions), PPT, Moodle LMS

XVI FEEDBACK SYSTEM

The Department of Chemistry has implemented a comprehensive Feedback System that enables students to provide valuable feedback and suggestions at the end of each semester. This system is designed to gather insights from students regarding their learning experiences, course content, teaching methodologies, and overall satisfaction with the department's offerings. The feedback system plays a crucial role in continuously improving the quality of education and addressing any concerns or areas for enhancement. The Feedback System follows a well-defined process to ensure the collection, analysis, and utilization of feedback in an efficient and effective manner. Process includes feedback collection and analysis, feedback evaluation and action planning and implementation.

XVII. INTERNAL EVALUATION SYSTEM The Department of Chemistry maintains a transparent and fair approach to Continuous Internal Evaluation, ensuring that students' performance is evaluated consistently and equitably. The evaluation process incorporates



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multiple components, such as internal tests, seminars, vivas, overall classroom performance, attendance, and assignments, all of which are carefully recorded and considered to assign internal marks. In case of any grievances, makeup tests are conducted to provide students with an opportunity to improve their scores.

XVIII. PAPERS/ POSTER/ INVITED TALKS BY FACULTY

Sl.No	Name of faculty	Title of the Paper/Talk	Name of the Programme
1.	Fathima Shadin P	Innovative approach in carbon capture and storage: advancing technology for sustainable emission reductions	International seminar on natural environment and climate sustainability – OISCA Global summit 2024

XX. ACHIEVEMENTS OF FACULTY

1. **Fathima Shadin** recognized as the **best coordinator** of organizing anti drug awareness programme 2024 by the Department of Cultural affairs, Govt of Kerala.
2. **Dr. Thomas Thevara** accredited by NABET as Functional Area Expert for water management , waste management and soil conservation



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XXI. CONFERENCES/ SEMINARS/ WORKSHOPS ATTENDED BY FACULTY

Sl. No	Name of Faculty	Seminar attended
1	Fathima Shadin P	International seminar on natural environment and climate sustainability – OISCA Global summit 2024
		National Seminar on the role of Judiciary and Media: Guardians of democratic norms
2	Shahina P.H	National level workshop on digital tools for e content creation
	Sonima V	National level workshop on digital tools for e content creation



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XXII. FDP ATTENDED BY FACULTY

Sl.No	Name Of Faculty	Title of FDP	Duration/ Date
1.	Fathima Shadin P	FDP on Technology integration in learning and teaching	7 days
		FDP on OBE AI and AMS	5 days
		FDP on Indian Knowledge system	5 days
		FDP on development communication: Theory and practice	7 days
		NEP 2020 Orientation and sensitization program	10 days
		FDP on first hand experience on SPSS – introduction module	7 days
2.	Shahina P H	FDP on Technology integration in learning and teaching	7 days
		FDP on Indian Knowledge system	5 days
3.	Sonima V	FDP on Technology integration in learning and teaching	7 days
		FDP on Indian Knowledge system	5 days



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XXIII. PUBLICATION BY FACULTY

Sl. No	Name of Faculty	Title of the paper	Conference Title	Year
1.	Fathima Shadin P	Innovative approach in carbon capture and storage: advancing technology for sustainable emission reductions	International seminar on natural environment and climate sustainability – OISCA Global summit 2024	2024

XXIV. ACHIEVEMENTS OF STUDENTS

DEPARTMENT OF CHEMISTRY STUDENT ACHIEVEMENT LIST 2024-2025				
Sl.No	Name	Class	Event	Position
1	Dilna M	D3 Chemistry	State Level Poem Writing Competition Conducted as a Part of Womens Literature State Conference	First
2			Kavyakeli, FZONE Arts Fest,	Third
3			Haiku Competition By MSW Department as a Part of Word Suicide Prevention Day	First
4			Kavyakeli, College Arts Fest	First
5			Folk Song Group, FZONE Arts Fest	Third
6			Essay Writing Urdu, FZONE Arts Fest	First
7			Speech Urdu, FZONE Arts Fest	Third



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8	Sahereen	D3 Chemistry	Essay Writing Urdu, College Arts Fest	First
9			Versification Hindi, College Arts Fest	Third
10	Hamna K	D3 Chemistry	Versification English, FZONE Arts Fest	Third
11			Versification English, College Arts Fest	Second
12	Hanana K M	D3 Chemistry	Presentation Competition By Chemistry Department as a part of World Wetland Day	First
13	Anagha M P	D3 Chemistry	Presentation Competition By Chemistry Department as a part of World Wetland Day	Second
14			NCC Rank Promoted to CPL (Corporal)	
15	Mufeeda M	D3 Chemistry	Kadhprasangam, College Arts Fest	First
16	Riya Sherin	D2 Chemistry	NCC Rank Promoted to (SGT) Sergeant	
17	Dilfa Thasneem	D1 Chemistry	Essay Writing Competition as a part of All India Cooperative Week Celebration, Vythyri Subdistrict	Second
18			Story Writing English, College Arts Fest	Second
19			Versification English, College Arts Fest	Third
20	Aysha Naja	D1 Chemistry	Presentation Competition By Chemistry Department as a part of World Wetland Day	Third
SEMESTER TOPPERS OF 2024-2025				
1	Hamna K	D3 Chemistry	Fifth Semester Topper	SGPA 9.25
2	Litty K Tom	D2 Chemistry	Third Sem Topper	SGPA 9.125
3	Aysha Naja	D1 Chemistry	First Sem Topper	SGPA 8.19